



Be Vigilant

## THE HYDERABAD PUBLIC SCHOOL

### RAMANTHAPUR, HYDERABAD-13

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#### CLASS VI - MATHEMATICS – HOLIDAY HOMEWORK - WORKSHEET

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##### Topics: Mensuration & Ratio and Proportion

- Find the perimeter of each of the following shapes:
  - A triangle of sides 12 cm, 5 cm and 13 cm.
  - An equilateral triangle of side 8 cm.
  - An isosceles triangle with equal sides 4 cm each and third side 3 cm.
  - An square of side 10 cm
  - An rectangle of sides 11cm ,10 cm
  - Triangle with sides measuring 10 cm, 14 cm and 15 cm.
  - Regular hexagon of side 8 cm
  - Regular pentagon of side 5 cm
- Koustubh wants to cover the floor of a room 3 m wide and 4 m long by squared tiles. If each square tile is of side 0.5 m, then find the number of tiles required to cover the floor of the room.
- Find the area in square meter of a piece of cloth 1m 25 cm wide and 2 m long.
- A room is 4 m long and 3 m 50 cm wide. How many square meters of carpet is needed to cover the floor of the room.
- Find the areas of the squares whose sides are:
  - 11 cm
  - 12 m
- Badri earns Rs 20000 in 10 days. How much will he earn in 30 days?
- Determine if the following ratios form a proportion. Also, write the middle terms and extreme terms where the ratios form a proportion.
  - 10 cm: 1 m and Rs 10: Rs 100
  - 39 litres: 65 litres and 6 bottles: 10 bottles
  - 2 kg: 50 kg and 25 g: 625 g
  - 200 ml: 2.5 litre and Rs 4: Rs 50
- In a School, out of 1220 students, 300 are girls. Find the ratio of
  - Number of girls to the total number of students.
  - Number of boys to the number of girls.
  - Number of boys to the total number of students.
- Find the ratio of the following:
  - 63 to 45
  - 256 to 512
  - 66 km to 121 km
  - 3 minutes to 45 minutes
- Cost of a dozen bananas is Rs 180 and cost of 8 lemons is Rs 56. Find the ratio of the cost of a banana to the cost of a lemon.